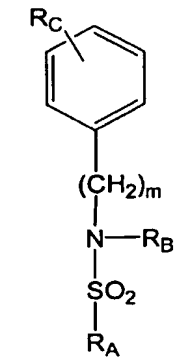
Claims

1. A sulphonamide derivative of formula (I) or a physiologically acceptable salt thereof,



(I)

where

R_C is an optionally substituted 4-6-membered heterocyclic ring containing one or more N atoms, or

R_C forms together with the phenyl ring to which it is attached a benzodioxolyl group, or

R_C is $-NR^1R^2$, where

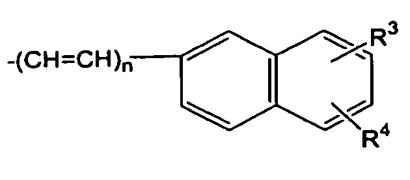
R^1 is hydrogen or alkyl,

R^2 is alkyl or an optionally substituted 4-6-membered heterocyclic ring containing one or more N atoms, or

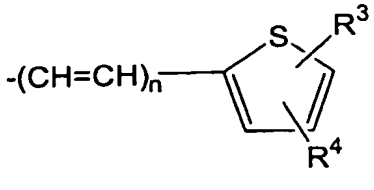
R^1 and R^2 taken together with the nitrogen atom to which they are attached form a heterocyclic group, which may contain one or more additional heteroatoms selected from O and N and which may be substituted, or

R^1 and R^2 are absent and the nitrogen atom together with the adjacent carbon atom forms a heterocyclic ring, which may contain one or more additional heteroatoms selected from N, O and S and which may be substituted,

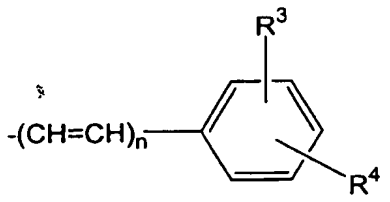
R_A is a group having the formula



(A),



(B) or



(C)

wherein

n is 0 or 1, and

R^3 and R^4 represent each independently hydrogen, halogen, aryl, alkoxy, carboxy, hydroxy, alkoxyalkyl, alkoxycarbonyl, cyano, trifluoromethyl, alkanoyl, alkanoylamino, trifluorometoxy, an optionally substituted aryl or heterocyclic group.

2. A derivative according to claim 1 where R^1 and R^2 represent methyl, R^3 is 2-chloro and R^4 is 4-chloro.

3. A derivative according to claim 1 where R^1 is hydrogen, R^2 is 4,6-dimethylpyrimidin-2-yl, R^3 is chloro and R^4 is chloro.

4. A derivative according to claim 1 where R^1 and R^2 represent methyl, R^3 is hydrogen and R^4 is 3,4-dimethoxyphenyl.

5. A derivative according to claim 1 where R^1 and R^2 represent methyl, R^3 is hydrogen and R^4 is 4-fluorophenyl.

6. A derivative according to claim 1 where R^1 and R^2 represent methyl, R^3 is hydrogen and R^4 is bromo.

7. A derivative according to claim 1, which is 4'-fluoro-biphenyl-3-sulfonic acid benzo[1,3]dioxol-5-ylamide.

8. A derivative according to claim 1, which is 4'-fluoro-biphenyl-3-sulfonic acid (2-methyl-benzooxazol-6-yl)-amide.

9. A derivative according to claim 1, which is 2,4-dichloro-N-(1,2-dimethyl-1H-indol-5-yl)-N-methyl-benzenesulfonamide.

10. A derivative according to claim 1, which is 4'-fluoro-biphenyl-3-sulfonic acid (4-dimethylaminophenyl)-methyl-amide.

11. A derivative according to claim 1, which is N-[4-(dimethyl-amino)phenyl]-4'-fluoro-2'-methyl-1,1'-biphenyl-3-sulfonamide.

12. A derivative according to any of claims 1 to 11 for use as an inhibitor for collagen receptor integrins.

13. A derivative according to any of the claims 1 to 11 for use as an inhibitor for $\alpha 2\beta 1$ integrin.

14. A derivative according to any of claims 1 to 11 for use as an $\alpha 2\beta 1$ integrin I domain inhibitor.

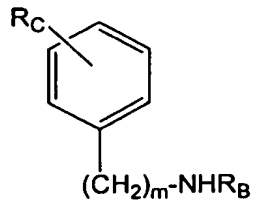
15. A derivative according to any of claims 1 to 11 or a physiologically acceptable salt thereof for use as a medicament.

16. A derivative according to claim 15 for use as a medicament for treating thrombosis and cancer spread.

17. The use of a derivative according to any of claims 1 to 11 or a physiologically acceptable salt thereof for preparing a pharmaceutical composition for treating disorders relating to thrombosis and cancer spread.

18. A pharmaceutical composition comprising an effective amount of a derivative according to any of claims 1 to 11 or a physiologically acceptable salt thereof in admixture with a pharmaceutically acceptable carrier.

19. A process for preparing a benzene sulphonamide according to claim 1, comprising reacting a compound of formula (II)



(II)

where R_B, R_C and m are as defined above, with a compound of formula (III)

$$R_A\text{-}SO_2hal \qquad (III)$$

where R_A is as defined above and hal is halogen.